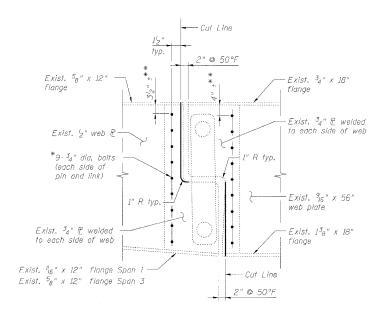
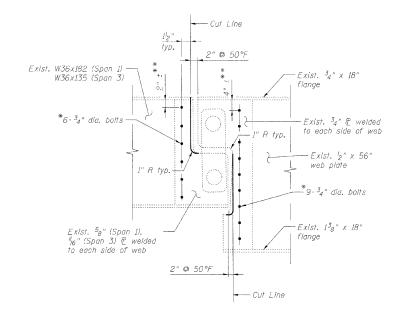
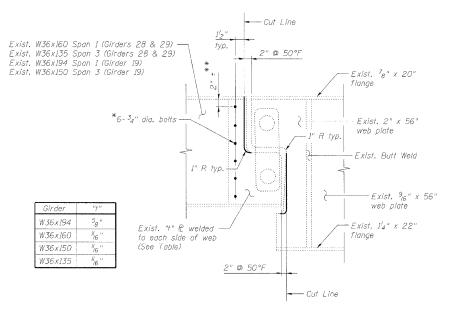
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION



GIRDER MODIFICATION DETAILS - GIRDERS 20 & 27



GIRDER MODIFICATION DETAILS - GIRDERS 21-26

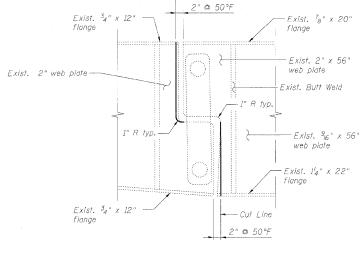


GIRDER MODIFICATION DETAILS - GIRDERS 19, 28 & 29

- * Install 3_4 " diameter high strength bolts with two hardened washers that conform with ASTM (A-325) and AASHTO-164 with $^{13}_{16}$ " diameter holes at 6" (±) centers to hold plates together. Gaps between the plates and web shall be sealed such that no moisture can develop between the plates. Cost included with Modify Existing Pin and Link Connection.
- ** Verify in field, Distance from flange to first bolt shall be equal at top and bottom of girder.

BILL OF MATERIAL

ITEM	UNIT	TOTAL	
Modify Existing Pin and Link Connection	L. Sum	0.25	



--- Cut Line

GIRDER MODIFICATION DETAILS - GIRDERS 18 & 30

Notes:

- Cut surfaces shall be grinded smooth, spot cleaned, and painted with an aluminum epoxy
 mastic primer followed by a finish coat to match the color of the existing beam. Paint shall
 be applied per the requirements of Paint System 2, according to the Special Provision "Cleaning
 and Painting Existing Steel Structures". Cost included with Modify Existing Pin and Link
- 2. See existing plans for girder layout and numbering.
- 3. The Contractor must exercise extreme care so as not to damage the pins or link plate while trimming the girders.
- 4. Some connections may have already been cut therefore the current existing geometries may not match the geometries as shown on the existing plans.
- 5. Pink and Link connections are located near each pier. Thus, there are 2 connections per girder line.

STEEL REPAIR DETAILS STRUCTURE NO. 022-0137

benesch

Englineers · Surveyors · Planners
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450 Job No. 10050

SHEET	NO.	13
32 SH	EET	S

ET NO.13	F.A.I. RTE.	SEC ⁻	TION		COUNTY	TOTAL SHEETS	SHEET NO.
	²⁹⁰ 355	22(1, 1-1,	2&3)RS-	7	DUPAGE	546	426
SHEETS				CONTRACT	NO. 60	OG51	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							

DESIGNED KWS CHECKED MFB/EFS DRAWN RMG CHECKED KWS

neering.documents.contract_1\SN_822_8|38_8|37_Roblwing_Rd\8|37-68651-8|3-SteelRepairdetails.